

Claimed is:

1. A laser module case comprising a snout through which an optical fiber assembly may be passed, the snout disposed through a wall of the case, wherein the optical fiber assembly is movable within the snout so that it may be aligned with a laser within the laser module case.

2. The laser module case of claim 1 wherein the optical fiber assembly is of a smaller cross-sectional exterior diameter than the snout cross-sectional inner diameter so that the optical assembly may move in an X and Y-direction within the snout.

3. The laser module of claim 1 case wherein the snout has an inner end and an outer end, wherein the case further comprises:

an inner joint to secure the snout to the optical assembly at the inner end;

and

wherein the optical fiber assembly is of a smaller cross-sectional exterior diameter than the snout cross-sectional inner diameter so that the optical assembly may move in an X and Y-direction within the snout and may thereby be aligned with a laser positioned within the case.

4. The laser module case of claim 3 further comprising an outer joint, wherein the aligned optical fiber assembly may be secured in position by the outer joint.

5. The laser module case of claim 3 wherein at least a portion of the inner joint is compliant.

6. The laser module case of claim 4 wherein at least a portion of the outer joint is compliant.

7. The laser module case of claim 2 wherein at least a portion of the case comprises a deformable material.

8. The laser module case of claim 3 wherein the inner joint is a flange.

9. The laser module case of claim 4 wherein the outer joint is a flange.

10. The laser module case of claim 3 wherein the inner joint is a solder joint.

11. The laser module case of claim 4 wherein the outer joint is a solder joint.
12. The laser module case of claim 3 wherein at the inner joint is a welded joint.
13. The laser module case of claim 4 wherein at the inner joint is a welded joint.
14. A laser module case used with an optical fiber assembly having an inner end and an outer end, the case comprising:  
a hollow snout having an inner end and an outer end; and  
an inner joint;  
wherein the snout is disposed through a wall of the case;  
the optical fiber assembly is disposed through the snout;  
the inner joint secures the snout to the optical fiber assembly at their inner ends; and  
the optical fiber assembly is of a smaller cross-sectional exterior diameter than the snout cross-sectional inner diameter so that the optical fiber assembly may move in an X and Y-direction within the snout; and  
wherein the optical fiber assembly may be aligned with a laser positioned within the case after the case is closed.
15. The laser module case of claim 14 further comprising:  
an outer joint to secure the snout to the optical fiber assembly at their outer ends.
16. A laser module comprising a case according to claim 1.
17. A laser module comprising a case according to claim 14.
18. A laser module case having a wall through which an optical fiber assembly is disposed, wherein the case comprises a deformable material to allow external alignment of the optical fiber assembly with a laser within the case.
19. A laser module case comprising a snout through which an optical fiber assembly is disposed, the snout disposed through a wall of the case, wherein the snout is

secured to the case by a bendable flange to allow movement of the snout for alignment of the optical fiber assembly with a laser within the case.